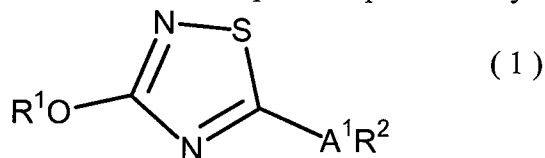


Amendments to and Listing of the Claims:

Please amend claims, without prejudice, as shown below in the following listing of all claims ever presented. The following listing of claims replaces all prior versions of the claims.

1-11. (Canceled)

12. (New) A 1,2,4-thiadiazole compound represented by the formula (1):



wherein,

R¹ represents C₃-C₇ alkynyl optionally substituted with a halogen atom;

R² represents C₃-C₈ cycloalkyl, C₅-C₈ cycloalkenyl or C₇-C₁₁ bicycloalkyl, wherein the C₃-C₈ cycloalkyl, the C₅-C₈ cycloalkenyl and the C₇-C₁₁ bicycloalkyl is optionally substituted with one or more substituents selected from the group consisting of C₁-C₄ alkyl, a halogen atom and trifluoromethyl; and

A¹ represents a single bond, C₁-C₂ alkylene or C₂-C₃ alkylidene.

13. (New) The 1,2,4-thiadiazole compound according to claim 12, wherein R² is C₃-C₈ cycloalkyl optionally substituted with C₁-C₄ alkyl.

14. (New) The 1,2,4-thiadiazole compound according to claim 12, wherein A¹ is a single bond.

15. (New) The 1,2,4-thiadiazole compound according to claim 12, wherein A¹ is C₁-C₂ alkylene.

16. (New) The 1,2,4-thiadiazole compound according to claim 12, wherein R¹ is 2-butynyl or 2-pentynyl.

17. (New) An arthropod controlling composition comprising the 1,2,4-thiadiazole compound according to claim 12 and an inert carrier.

18. (New) A method for controlling arthropod pests comprising applying an effective dose of the 1,2,4-thiadiazole compound according to claim 12 to the arthropod pests or habitat of the arthropod pests.

19. (New) The 1,2,4-thiadiazole compound according to claim 13, wherein A¹ is a

single bond.

20. **(New)** The 1,2,4-thiadiazole compound according to claim 13, wherein A¹ is C₁-C₂ alkylene.

21. **(New)** The 1,2,4-thiadiazole compound according to claim 13, wherein R¹ is 2-butynyl or 2-pentynyl.

22. **(New)** An insect controlling composition comprising the 1,2,4-thiadiazole compound according to claim 12 and an inert carrier.

23. **(New)** A method for controlling insect pests comprising applying an effective dose of the 1,2,4-thiadiazole compound according to claim 12 to the insect pests or habitat of the insect pests.

24. **(New)** The method according to claim 23, wherein the insect pests are selected from the group consisting of Hemiptera, Lepidoptera, Diptera, Coleoptera, Thysanoptera, Hymenoptera, Dictyoptera, Orthoptera, Anoplura, and Isoptera.

25. **(New)** An acarine controlling composition comprising the 1,2,4-thiadiazole compound according to claim 12 and an inert carrier.

26. **(New)** A method for controlling acarine pests comprising applying an effective dose of the 1,2,4-thiadiazole compound according to claim 12 to the acarine pests or habitat of the acarine pests.

27. **(New)** The method according to claim 25, wherein the acarine pests are acarina.